

~~XX~~ MUST SHIP MONDAY 10/10 ~~OK~~

Work Order ID 62942

October 14, 2010 10:44:50 AM

Page 1

Item ID: D4211-041

Revision ID: PRELIM

Item Name: Wearplate

Start Date: 10/14/10 Start Qty: 1.00

Required Date: 10/15/10 Req'd Qty: 1.00

Reference:

Accept

PRELIMINARY ISSUE

Setup Start

Stop

Cust Item ID:

Customer:

Approvals:

Process Plan: W

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4211

PA2

100

0.00



Waterjet

FLOW CNC Waterjet

Memo

0.00

1-Cut as per Dwg \*\*\*Make from D4211-1F\*\*\*

Dwg Rev: PA2

Prog Rev: PA2

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Quality Control

Memo

0.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

W 10/10/10

# Work Order ID 62942

October 14, 2010 10:44:50 AM



Page 2

Item ID: D4211-041

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: Wearplate

Start Date: 10/14/10 Start Qty: 1.00



Cust Item ID:

Required Date: 10/15/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC8- Inspect parts - second check

0.00 - inspect to PAR



QC

Memo

0.00 Dry only  
8/10/10/14 (41)

Quality Control

130

Form as per dwg

0.00 SPS 10/10/15



Brake NC

Memo

0.00

Brake NC

140

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control



10/10/15




# Work Order ID 62942

October 14, 2010 10:44:51 AM

Page 3

Item ID:	D4211-041	Accept		Setup	Start	
Revision ID:	PRELIM				Stop	
Item Name:	Wearplate					
Start Date:	10/14/10	Start Qty: 1.00		Cust Item ID:		
Required Date:	10/15/10	Req'd Qty: 1.00		Customer:		
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150  Large Fab	Weld per dwg A/R Hardcoat S.S. Batch: <u>115850</u>	0.00							
	Memo	0.00							
160  QC	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
	Memo	0.00							
170  Powdercoat	Black Sandtex(Ref:4.3.5.7) per QSI005 4.3	0.00							
	Memo	0.00							
	Start Time: <u>8:00</u>								
	Oven Temperature: <u>320°</u>								
	Finish Time: <u>8:30</u>								

1x

CPL 10.10.15

DPD 10.10.15

10-10-18



D




**Work Order ID 62942**

October 14, 2010 10:44:51 AM

Page 4

Item ID: D4211-041 Accept  Setup Start   
Revision ID: PRELIM Stop   
Item Name: Wearplate  
Start Date: 10/14/10 Start Qty: 1.00  Cust Item ID:  
Required Date: 10/15/10 Req'd Qty: 1.00  Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start   
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop 

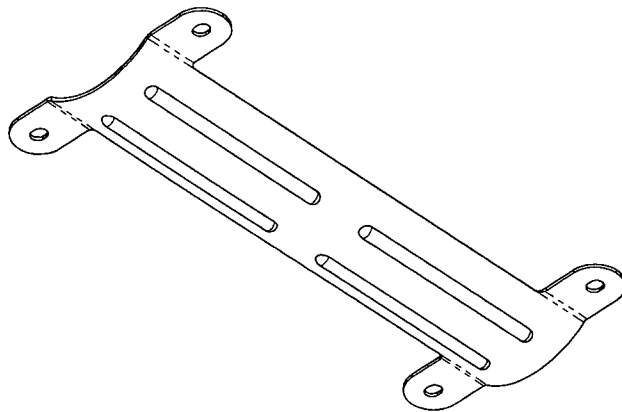
Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180  QC Quality Control	QC3- Inspect Part Finish  Memo	0.00 <i>HL</i> 0.00		10/10/10		1	0		
190  Packaging Packaging	Identify as per dwg & Stock Location: <i>thermo</i>  Memo	0.00  0.00							
200  QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00  0.00		10.10.18 <i>part recall</i>					

**POSITIVE RECALL**EFFECTIVE 10/14/14 AUTH *[Signature]*

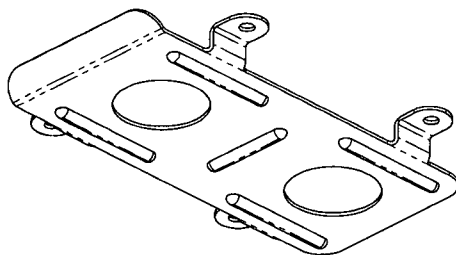
RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

*part was  
FLIGHT TESTED +  
RETURNED TO ENG.  
10.11.15*

*W  
ch 10/14/15  
MF  
10-11-15*



**D4211-041 WEARPLATE**



**D4211-043 AFT WEARPLATE**

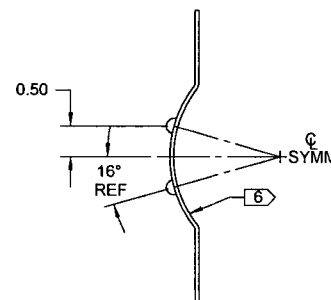
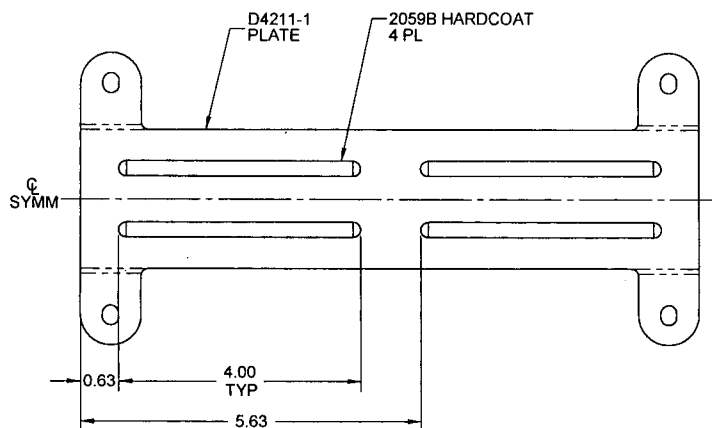
*wlo 62942*

**PRELIMINARY ISSUE**

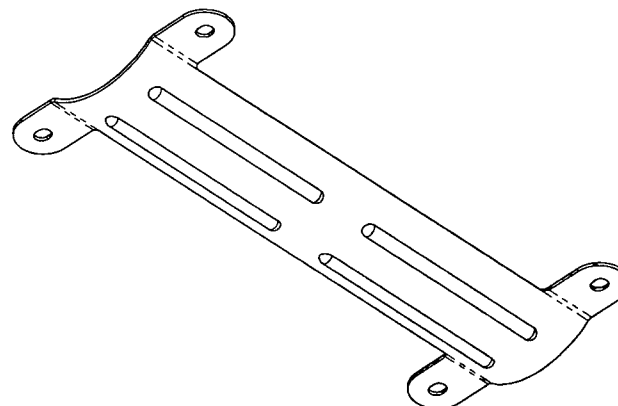
*13* 10.09.30

PA2	ADD -043/-3/-3F	MB	10.09.30
PA1	NEW ISSUE	MB	10.09.28
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>13</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>13</i>		
CHECKED		DRAWING NO.	REV. PA2
MFG. APPR.		D4211	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
DATE	10.09.30	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ITEM	QTY -041	P/N	DESCRIPTION
	X	D4211-041	WEARPLATE
1	1	D4211-1	PLATE
2	A/R	2059B	HARDCOAT



**D4211-041 WEARPLATE**



62942

**PRELIMINARY ISSUE**

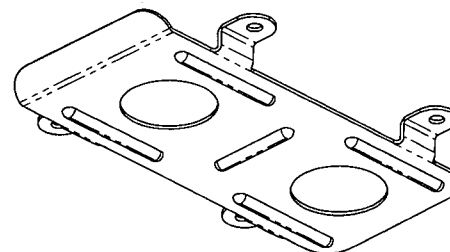
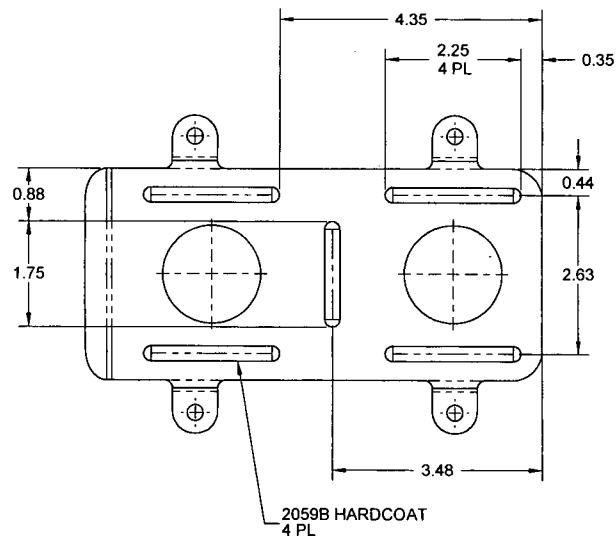
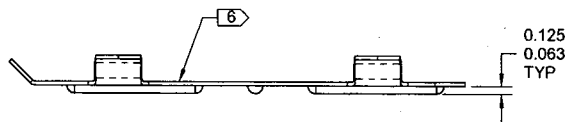
10.09.30

**D4211-041 NOTES:**

- 1) MATERIAL: NONE
- 2) FINISH: POWDER COAT "BLACK SANDTEX" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4211-041" AND B/N "BXXXXX" PER DART QSI 044 6.1
- 7) WEIGHT: 0.64 lbs
- 8) WELDING: PER DART QSI 004

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. PA2
MFG. APPR.		D4211 SHEET 2 OF 5
APPROVED		TITLE SCALE
DE APPR.		429 WEARPLATE NTS
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ITEM	QTY	P/N	DESCRIPTION
	X	D4211-043	AFT WEARPLATE
1	1	D4211-3	PLATE
2	A/R	2059B	HARDCOAT



62942

PRELIMINARY ISSUE

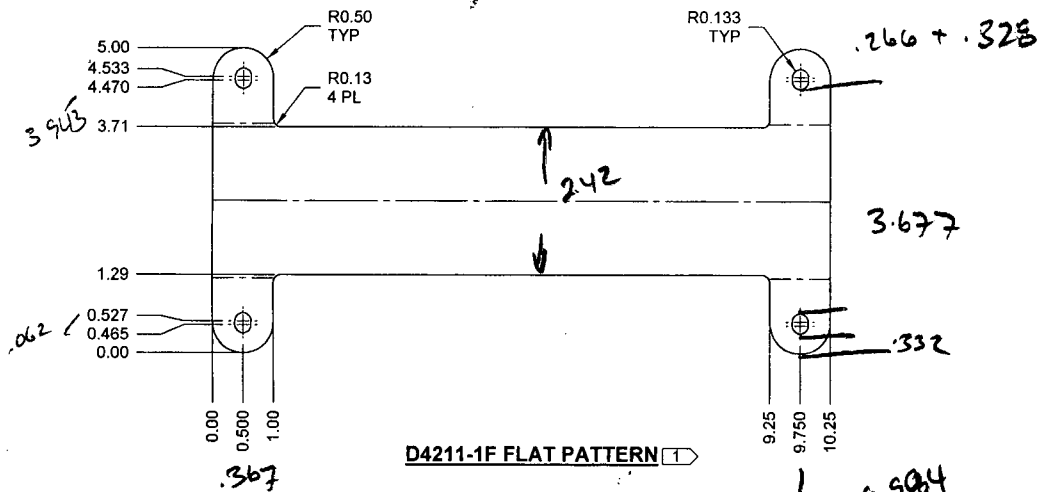
10.09.30

**D4211-043 NOTES:**

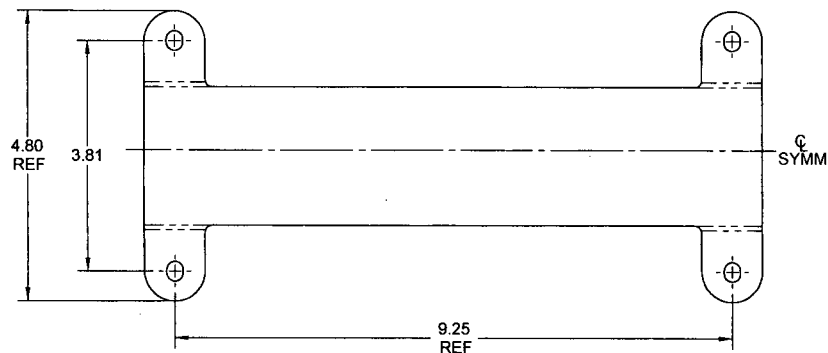
- 1) MATERIAL: NONE
- 2) FINISH: POWDER COAT "BLACK SANDEXT" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4211-043" AND B/N "BXXXXX" PER DART QSI 044 6.1
- 7) WEIGHT: 0.46 lbs
- 8) WELDING: PER DART QSI 004

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA2
MFG. APPR.		D4211	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
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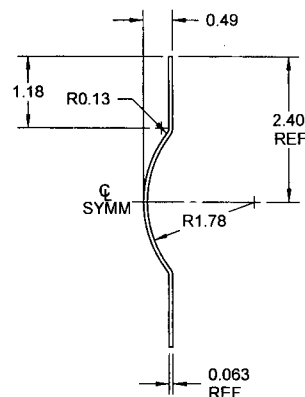
8 7 6 5 4 3 2 1



D4211-1F FLAT PATTERN



D4211-1 PLATE  
(MAKE FROM D4211-1F)



PRELIMINARY ISSUE

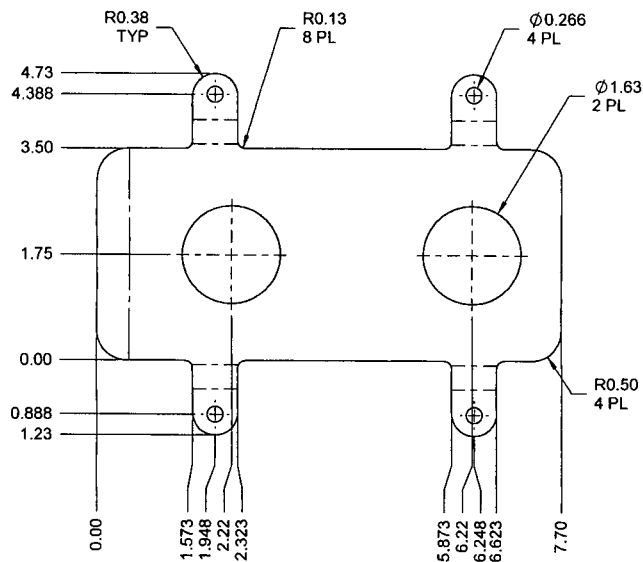
10.09.30

D4211-1F NOTES:

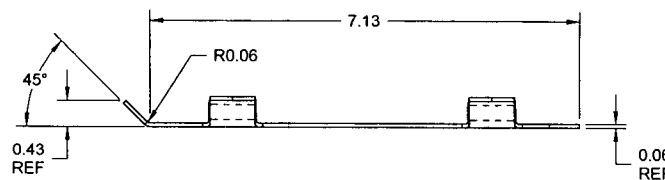
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 16 GAUGE (0.063) PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240 REF. DART SPEC. M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.64 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA2
MFG. APPR.		D4211	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
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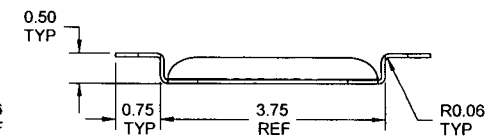
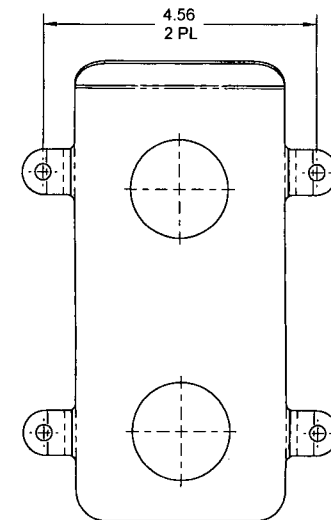




**D4211-3F FLAT PATTERN** (1)



**D4211-3 PLATE**  
(MAKE FROM D4211-3F)



**PRELIMINARY ISSUE**

10.09.30

**D4211-3/-3F NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 16 GAUGE (0.063)  
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
REF. DART SPEC. M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.46 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA2
MFG. APPR.		D4211	SHEET 5 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
DATE	10.09.30	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMERCE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



## Receiving Report

Date: 10/9/17

Batch No: M115688

Supplier: Magna

Dart P/O: 1254

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☐

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection ☐ N/A ☐  
 Work Order 106124 N/A ☐

**Discrepancies**

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
303D 1"		24	0	0	24	

Initials of receiver (if shipment OK) Level 12 CL

Production/Admin: 10/9/20  
 Date  
 Received/Costing CL  
 Initial

Location \_\_\_\_\_

## Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-MAG002	Magna Stainless								
PO12546	2		M304S16GA	sf	9/15/2010	9/20/2010	160.0000	\$5.25	0.0000	0	\$840.00
CAD	No		304/316 Sheet .063	sf	160.0000	DESJ02		\$840.00	0.0000	0	
			115688								
	3		M6061T6A1.000W.1 f	f	9/15/2010	9/20/2010	40.0000	\$0.60	0.0000	0	\$24.00
	No		6061T6 ANGLE 1.00 f	f	40.0000	DESJ02		\$24.00	0.0000	0	
			x 1.00 x .125W								
			115688								
Total Received Quantity:											200.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$864.00
Total Balance Due Quantity:											0.0000



# Magna Stainless

5775 Kieran St. Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



## PACKING LIST

Page 1 of 1

I032442

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7



### SPECIAL INSTRUCTIONS

\*\*\*\*\*STOCK\*\*\*

Contact: C. LAVOIE

Ship Terms: PREPAID

MTR:Y

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO		
CANADIAN DOLLARS		DAVE MC VETY	(613) 632-5200	(613) 632-1053	12546		
Sales Order	Terms		Ship Via		Date Ordered	Date Required	Date Shipped
W035566	NET 30 DAYS		NIR:R-557065-1		09/16/10	09/17/10	09/17/10

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
2		PC	ALUMINUM ANGLES AAN 6061 T6 1" x 1" x 1/8" x R/L 20' 12 LB / 2 PC	L042208	2BM307	2
5		PC	STAINLESS SHEET SSH 304 2B 16ga x 48" x 96" 420 LB / 5 PC	L040896	A0587-3030	5
Bundles: 1		Skids: 1		Approx Weight:		432 LB

Received by:

Date:

Signature:

**CERTIFICAT DE CONFORMITÉ**

Ce certificat garantit que le matériel décrit ci-dessous a été produit conformément au manuel d'assurance qualité d'EXTRUDEX ALUMINIUM (QUÉBEC) S.E.C., selon les normes  
AMS-QQ-A-200/8

NOM DU CLIENT : MAGNA STAINLESS INC

VOTRE NO DE COMMANDE : 10872

NOTRE NO DE COMMANDE : 67216-01

NO DE FILIERE : SA01092-1

DESCRIPTION : ANGLE 1 x 1 x 1/8

ALLIAGE : 6061

TREMPAGE : T6

NO DE COULÉE : 2BM307

SIGNATURE : 

EXTRUSIONS D'ALUMINIUM, PEINTURE ET FABRICATION

9/24/2010

770, CHEMIN OLIVIER, SAINT-NICOLAS, (QUÉBEC) G7A 2N2

TÉL. : (418) 831-4444 FAX : (418) 831-7400 INWATT : 1-800-704-4244 COURRIEL : extrudex@extrudex.ca

# Chemical Composition By CastNum/Supplier



09/24/2010 VEN 8:16 FAX 418 831 7400 Extruder Quebec S.E.C.

## Properties

Cast Number	2BM307	Supplier	1000	Date Entered	8/18/2010
Alloy	6063	Drop Number		% Recycled	
Alloy Type	P	Date Cast		<input type="checkbox"/> Passes Specifications	
Diameter	213	Alloy Variant		<input type="checkbox"/> Inactive (not in inventory)	

Mode

☒ Inquire

☒ View

1 of 1

Navigation arrows: left, right, and a central button.

Show All

Done

Import from File

## Chemical Composition

Si	=	▼	0.41	Cr	<	▼	0.01	V	=	▼	0.01	Sn	=	▼	0
Fe	=	▼	0.16	Ni	=	▼	0	B	=	▼	0	Sr	=	▼	0
Cu	=	▼	0.02	Zn	=	▼	0.01	Zr	=	▼	0	Co	=	▼	0
Mn	=	▼	0.03	Ti	<	▼	0.01	Bi	=	▼	0	Al	=	▼	0
Mg	=	▼	0.48	Ga	=	▼	0.01	Pb	=	▼	0	Other	=	▼	0

## Notes

Supplier's Note

Text area for Supplier's Note with a vertical scrollbar.

Extruder's Note

Text area for Extruder's Note with a vertical scrollbar.

# INSPECTION CERTIFICATE

CERTIFICATE NO.: SK-99040

CUSTOMER: MAGNA STAINLESS INC(DIV OF CANADIAN SPECIALTY METALS INC.)

VOICE NO.: SSCAE40302TE9

CREDIT NUMBER: 1700625

DESCRIPTION: STAINLESS STEEL SHEETS

JUN 01 2010

P/L NO.	SIZE	PCS	N.W. (KG)	SPEC	HEAT NO.	REFERENCE NO.
59	0.9mm (20ga) X 1219mm (48") X 3048mm (120")	86	2256	304 / 2B	A0639-2010	F8055
60	0.9mm (20ga) X 1219mm (48") X 3048mm (120")	86	2259	304 / 2B	A0639-2010	F8055
61	1.2mm (18ga) X 1219mm (48") X 2438mm (96")	87	2428	304 / 2B	B7113-1020	F8209
62	1.2mm (18ga) X 1219mm (48") X 3048mm (120")	64	2232	304 / 2B	B7113-1020	F8209
63	1.2mm (18ga) X 914mm (36") X 3048mm (120")	51	1342	304 / 2B	YU256274	93S51062B
64	1.5mm (16ga) X 1219mm (48") X 2438mm (96")	70	2433	304 / 2B	A0587-3030	F8139
65	1.5mm (16ga) X 1219mm (48") X 2438mm (96")	70	2434	304 / 2B	A0587-3030	F8139
66	1.5mm (16ga) X 1219mm (48") X 2438mm (96")	70	2435	304 / 2B	A0587-3030	F8139
67	1.5mm (16ga) X 1219mm (48") X 2438mm (96")	58	2013	304 / 2B	A0587-3030	F8139
68	1.5mm (16ga) X 1219mm (48") X 3048mm (120")	51	2218	304 / 2B	A0587-3030	F8139

## Chemical Composition

P/L NO.	C	Si	Mn	P	S	Ni	N	Cr	Mo	Y.S.(0.2%) N/mm2	T.S. N/mm2	Elongation %	HRB
59	0.048	0.526	1.139	0.031	0.006	8.136	0.0590	18.0510	-	283	640	54.3	80.6
60	0.048	0.526	1.139	0.031	0.006	8.136	0.0590	18.0510	-	283	640	54.3	80.6
61	0.047	0.447	1.207	0.032	0.004	8.017	0.0500	18.1500	-	295	629	54.7	82.0
62	0.047	0.447	1.207	0.032	0.004	8.017	0.0500	18.1500	-	295	629	54.7	82.0
63	0.043	0.520	1.110	0.030	0.001	8.100	0.0250	18.1300	-	306	685	51.0	87
64	0.046	0.421	1.183	0.029	0.005	8.133	0.0560	18.1880	-	303	643	53.3	85.7
65	0.046	0.421	1.183	0.029	0.005	8.133	0.0560	18.1880	-	303	643	53.3	85.7
66	0.046	0.421	1.183	0.029	0.005	8.133	0.0560	18.1880	-	303	643	53.3	85.7
67	0.046	0.421	1.183	0.029	0.005	8.133	0.0560	18.1880	-	303	643	53.3	85.7
68	0.046	0.421	1.183	0.029	0.005	8.133	0.0560	18.1880	-	303	643	53.3	85.7

## Mechanical Test

Remark: 1. We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

2. As per ASTM A240/480 standard.

3. The material described above has been detected with free irradiation.

Q.C. MANAGER

*Jin*





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO12546**

Purchase Order Date 9/10/10

PO Print Date 9/10/10

Page Number 1 of 1

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
09/10/10

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M303R1.000	303 Round Bar 1.00	9/15/10 Yes	24.00 f	Yours ppd	\$6.6667	\$160.00
		Special Inst: MATERIAL: 303 SS ROUND BAR NOTE: AISI 304/316 NOT ACCEPTABLE					
2	M304S16GA C210/9/17	304/316 Sheet .063	9/15/10 Yes	160.00 sf	Yours ppd	\$5.2500	\$840.00
		Special Inst: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240					
3	M6061T6A1.000W.125 C210/9/17	6061T6 ANGLE 1.00 x 1.00 x .125W	9/15/10 Yes	40.00 f	Yours ppd	\$0.6000	\$24.00
		Special Inst: MATERIAL: 6061-T6 OR T6510/T6511 ALUMINUM ANGLE AS PER AMS-QQ-A-200/8					

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

**POSITIVE RECALL**

EFFECTIVE 09-17 AUTH CL

RELEASED ✓ DATE 10/09/10

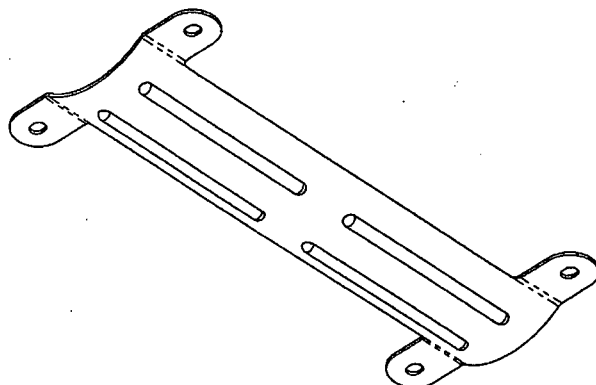
PO Total:

\$1,024.00

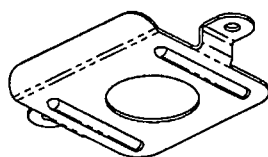
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Change Date: 9/10/10

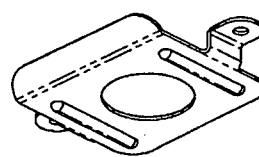
No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



**D4211-041 WEARPLATE**



**△ D4211-043 AFT WEARPLATE**



**△ D4211-045 AFT WEARPLATE**

**RELEASED**  
2010-11-03

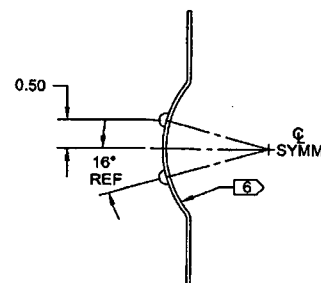
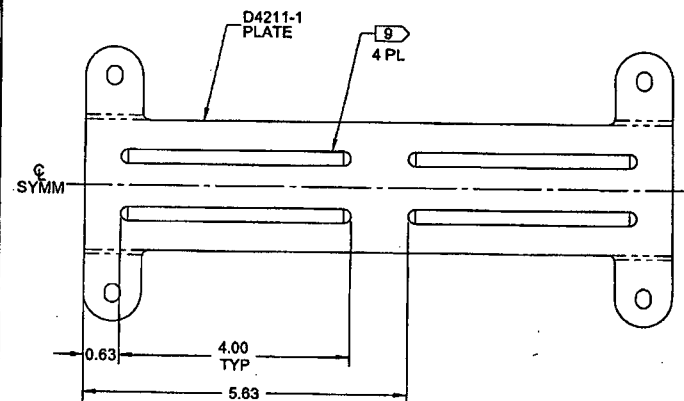
B	REDESIGNED D4211-043 AND CREATED D4211-045.	MB	10.10.15
A	NEW ISSUE	MB	10.09.30
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.10.15		

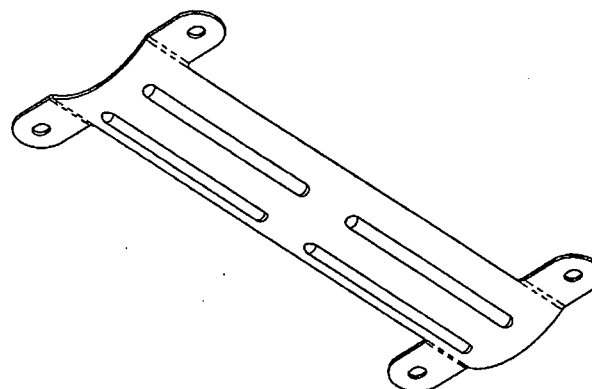
<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		REV. B
DRAWING NO.	D4211	SHEET 1 OF 6
TITLE	429 WEARPLATE	SCALE
		NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.

ITEM	QTY	P/N	DESCRIPTION
	X	D4211-041	WEARPLATE
1	1	D4211-1	PLATE
2	A/R	2059B	HARDCOAT



**D4211-041 WEARPLATE**



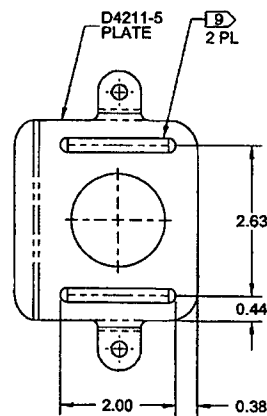
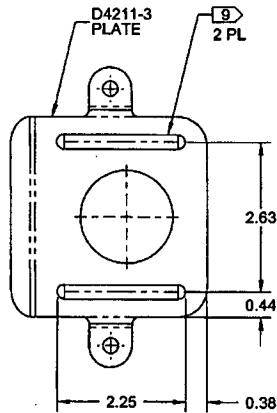
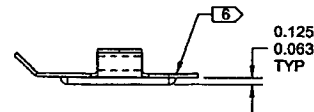
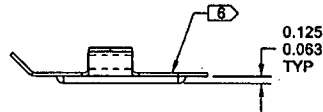
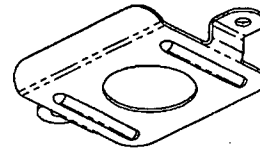
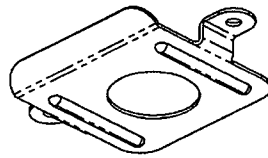
**D4211-041 NOTES:**

- 1) MATERIAL: NONE
- 2) FINISH: POWDER COAT "BLACK SANDEXT" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4211-041" AND B/N "BXXXXX" PER DART QSI 044 6.1
- 7) WEIGHT: 0.64 lbs
- 8) WELDING: PER DART QSI 004
- 9) 2059B HARDCOAT WELD, 0.063 TO 0.125 HIGH

**RELEASED**  
2010-11-03

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. <b>D4211</b>	REV. B
MFG. APPR.			SHEET 2 OF 6
APPROVED		TITLE <b>429 WEARPLATE</b>	SCALE
DE APPR.			NTS
DATE	10.10.15	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR DISSEMINATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	QTY -043	QTY -045	P/N	DESCRIPTION
	X		D4211-043	AFT WEARPLATE
		X	D4211-045	AFT WEARPLATE
1	1		D4211-3	PLATE
2		1	D4211-5	PLATE
3	A/R	A/R	2059B	HARDCOAT



**D4211-043 AFT WEARPLATE**

**D4211-045 AFT WEARPLATE**

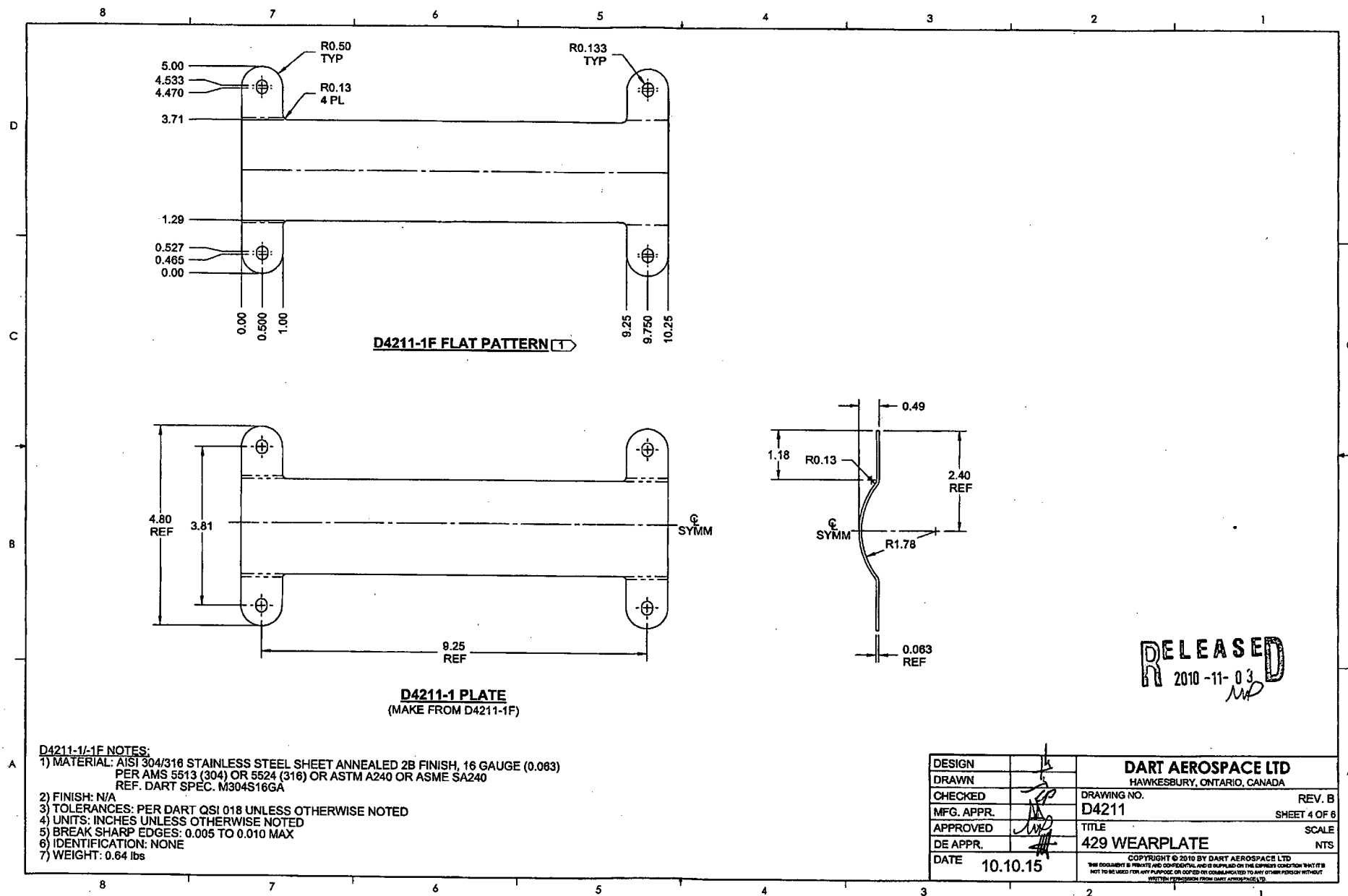
**RELEASED**  
2010-11-03

**D4211-043/-045 NOTES:**

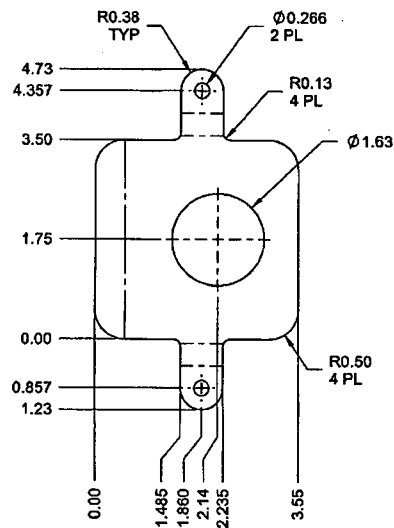
- 1) MATERIAL: NONE
- 2) FINISH: POWDER COAT "BLACK SANDEXT" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4211-04X" AND B/N "BXXXXX" PER DART QSI 044 6.1
- 7) WEIGHT: 0.24 lbs
- 8) WELDING: PER DART QSI 004
- 9) 2059B HARDCOAT WELD, 0.063 TO 0.125 HIGH

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. <b>D4211</b>	REV. B
MFG. APPR.		TITLE <b>429 WEARPLATE</b>	SHEET 3 OF 8
APPROVED		DATE <b>10.10.15</b>	SCALE
DE APPR.			NTS

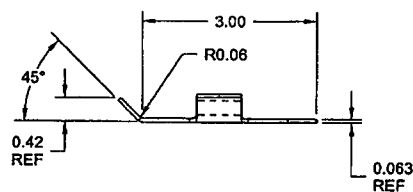
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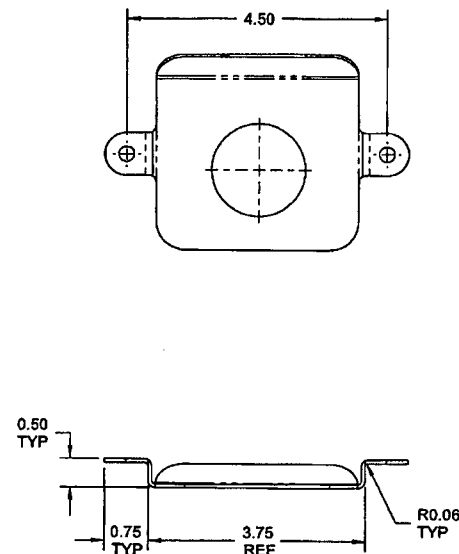
RELEASED  
2010-11-03  
MD



**D4211-3F FLAT PATTERN**



**D4211-3 PLATE**  
(MAKE FROM D4211-3F)

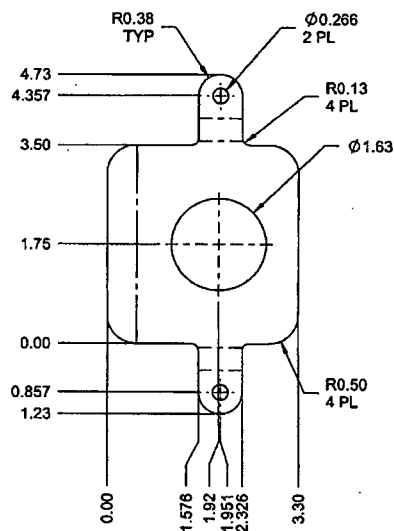


**D4211-3/3F NOTES:**

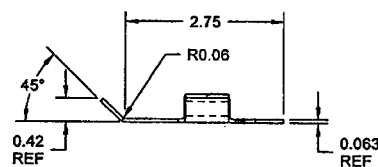
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 16 GAUGE (0.063)  
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
REF. DART SPEC. M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.24 lbs

DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN				
CHECKED			DRAWING NO. <b>D4211</b>	REV. B
MFG. APPR.				SHEET 5 OF 8
APPROVED			TITLE	SCALE
DE APPR.			<b>429 WEARPLATE</b>	NTS
DATE	<b>10.10.15</b>	<b>COPYRIGHT © 2010 BY DART AEROSPACE LTD</b>		
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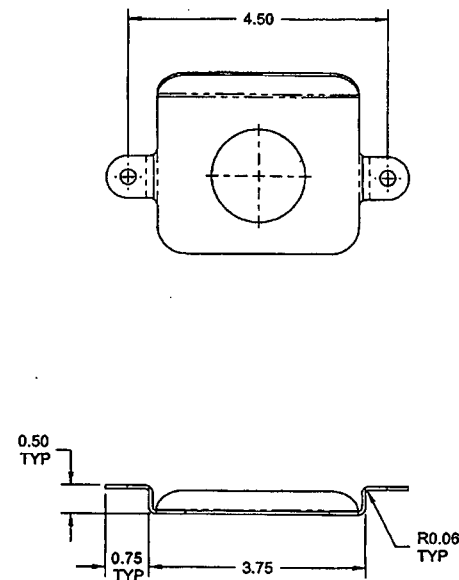
RELEASED  
2010-11-03



**D4211-5F FLAT PATTERN**




**D4211-5 PLATE**  
(MAKE FROM D4211-5F)



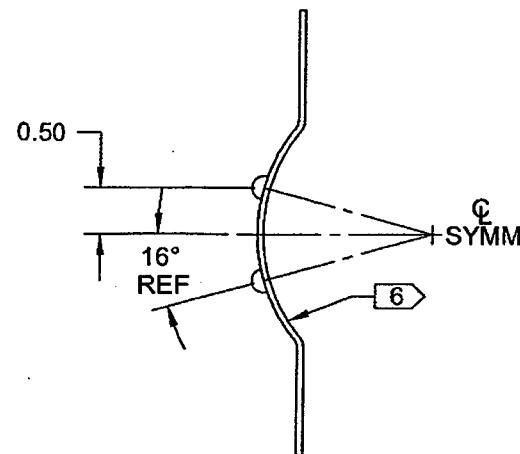
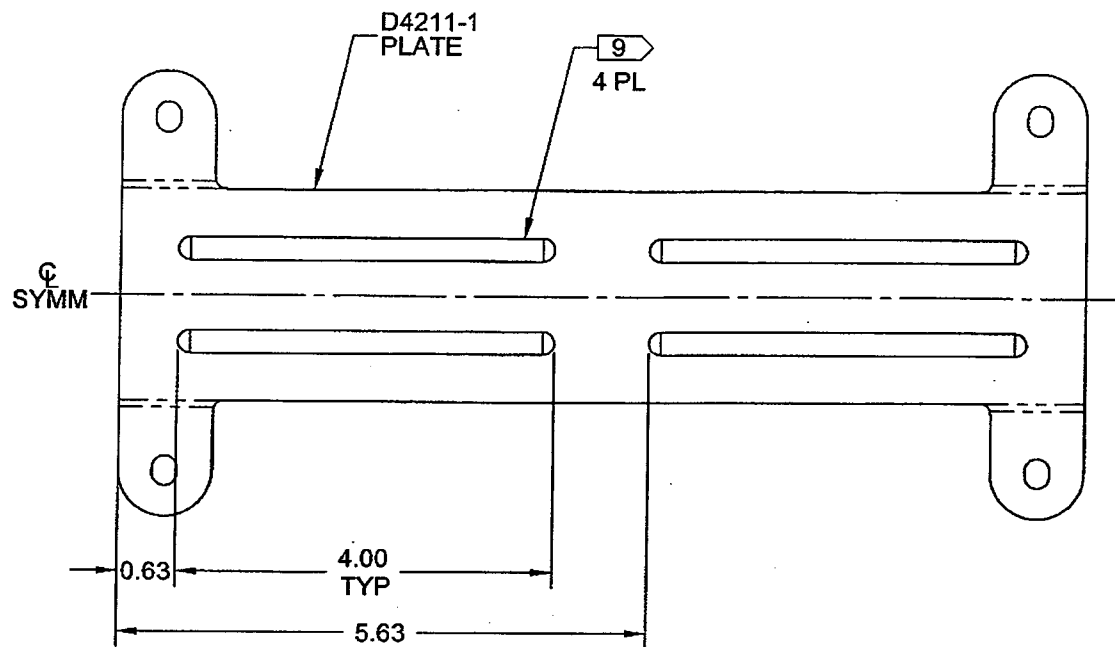
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2010-11-03

**D4211-5F NOTES:**

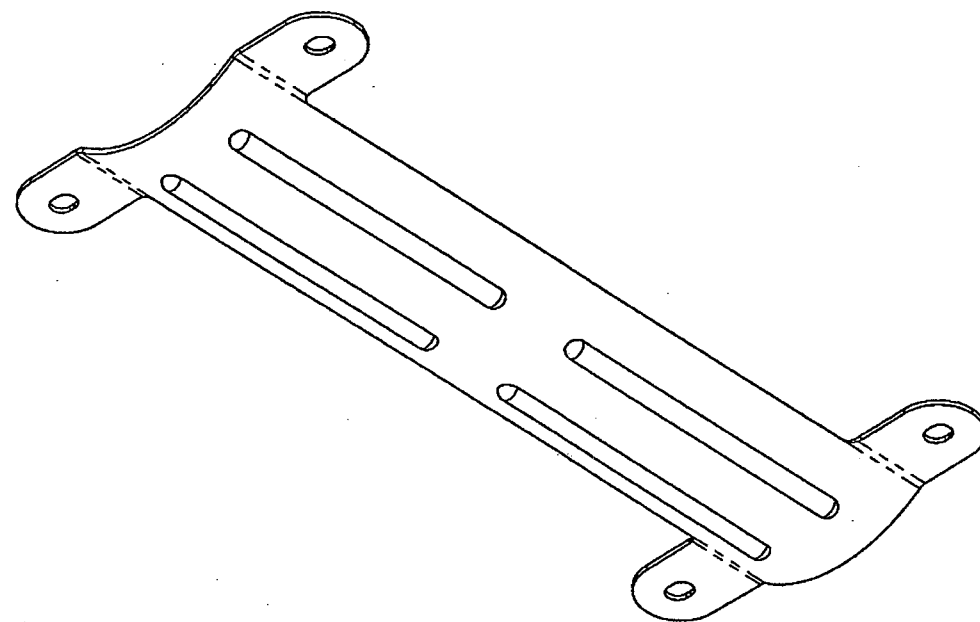
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 16 GAUGE (0.063)  
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
REF. DART SPEC. M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.22 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4211	SHEET 6 OF 6
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
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ITEM	QTY -041	P/N	DESCRIPTION
	X	D4211-041	WEARPLATE
1	1	D4211-1	PLATE
2	A/R	2059B	HARDCOAT



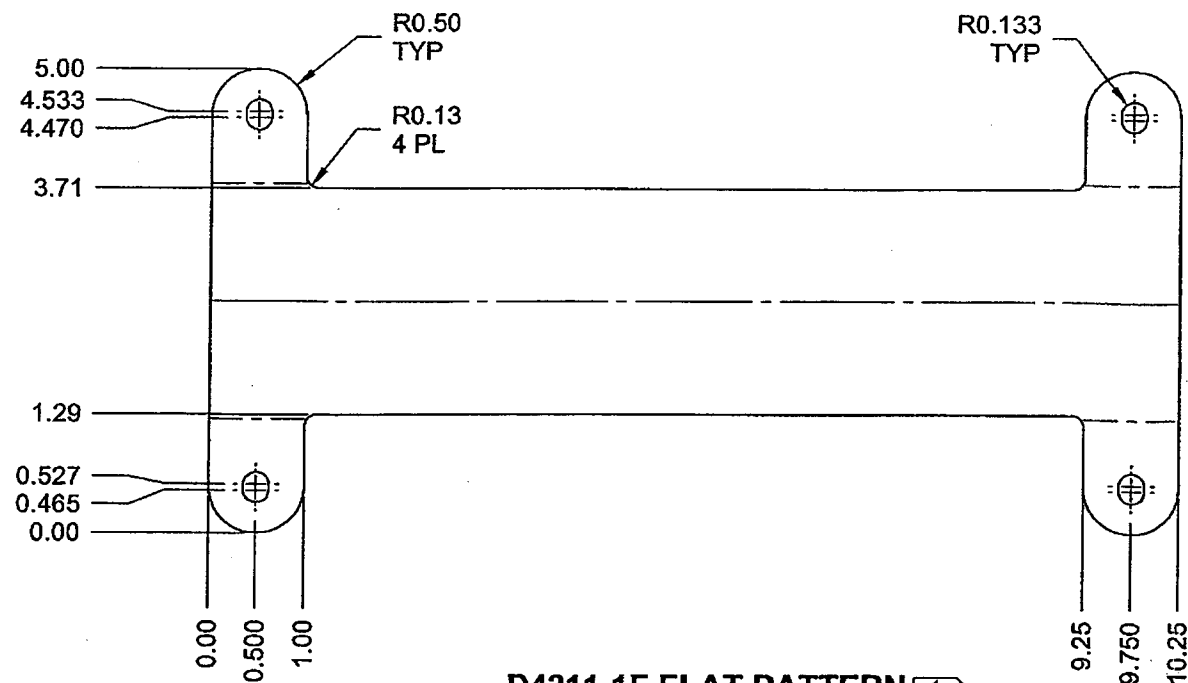
**D4211-041 WEARPLATE**



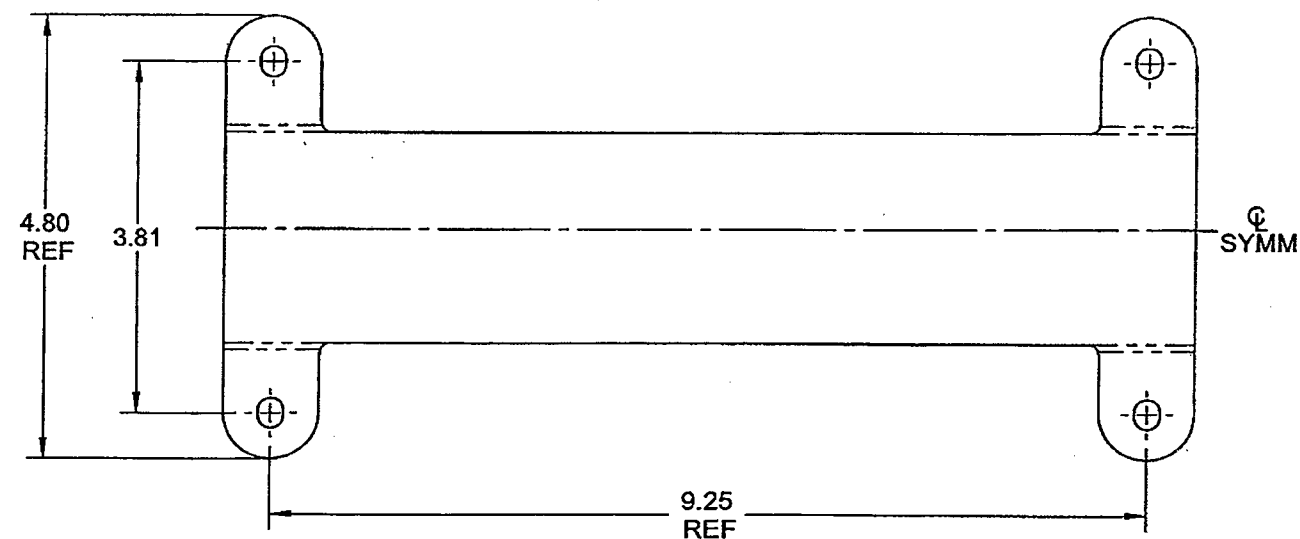
- D4211-041 NOTES:**
- 1) MATERIAL: NONE
  - 2) FINISH: POWDER COAT "BLACK SANDTEX" (4.3.5.7) PER DART QSI 005 4.3
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4211-041" AND B/N "BXXXXX" PER DART QSI 044 6.1
  - 7) WEIGHT: 0.64 lbs
  - 8) WELDING: PER DART QSI 004
  - 9) 2059B HARDCOAT WELD, 0.063 TO 0.125 HIGH

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4211	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
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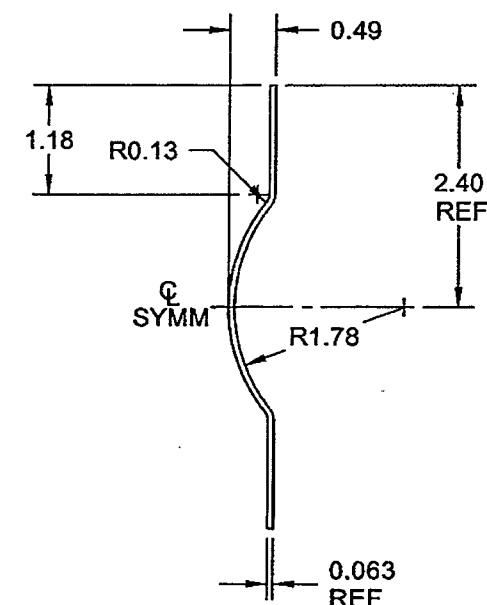




**D4211-1F FLAT PATTERN**



**D4211-1 PLATE**  
(MAKE FROM D4211-1F)



**D4211-1/-1F NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 16 GAUGE (0.063)  
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
REF. DART SPEC. M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.64 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4211	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		429 WEARPLATE	NTS
DATE	10.09.30	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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2010-10-07